

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: US 7,270,872 B2

Issued: September 18, 2007

Patentees:

Inventors: Juhani PEURAMÄKI

Assignee: UPM-Kymmene
Corporation

For: AN INSULATION MATERIAL
COMPRISING EXPANDED
POLYURETHANE AND
CRYSTALLIZED POLYAMIDE

Application No.: 10/081,133

Filed: February 22, 2002

Attorney Docket: 7890/72989

Customer No.: 22242

Confirmation No. 8534

This Request For Certificate Of Correction
Of Patent was electronically filed on
February 7, 2008 using the USPTO's
EFS-Web.

Commissioner for Patents

P. O. Box 1450

Alexandria, Virginia 22313-1450

ATTENTION: Certificate of Corrections Branch

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 C.F.R. § 1.322)**

Sir:

In accordance with 37 C.F.R. § 1.322, the above-specified Patentee, through their attorneys, respectfully request that a Certificate of Correction be issued for the above-captioned patent to correct the following error.

Patent US 7,270,872 B2

Issued September 18, 2007

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT dated February 7, 2008

The exact page and line number where the error occurred in the application file is:

IN THE CLAIMS:

Column 4, approximately line 36, in claim 10, delete "forms" and insert – form, -- (from Amendment After Allowance, page 3, claim 48, text line 7).

REMARKS

The above-requested change results from an error typographical in nature which occurred during printing of Patent US 7,270,872 B2 and which are attributable to the United States Patent and Trademark Office ("USPTO"). It is believed that issuance of a Certificate of Correction is appropriate, and issuance of such Certificate is respectfully requested.

A Certificate of Correction form, PTO/SB/44 (also referred to as PTO 1050), incorporating the requested changes is enclosed herewith.

In accordance with procedures set forth in the notice entitled "Expedited Issuance of Certificates of Correction When the Error is Attributable to the United States Patent and Trademark Office," Patentees submit herewith a copy of the Amendment After Allowance dated May 22, 2007 as supporting documentation so that this request can be processed without the patent file.

Please send the Certificate to:

James P. Krueger, Esq.
FITCH, EVEN, TABIN & FLANNERY
120 South LaSalle Street, Suite 1600
Chicago, Illinois 60603-3406

Patent US 7,270,872 B2

Issued September 18, 2007

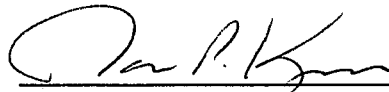
REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT dated February 7, 2008

The Commissioner is hereby authorized to charge any additional fees which may be required in respect to this communication to Deposit Account No. 06-1135.

Respectfully submitted,

FITCH, EVEN, TABIN & FLANNERY

Dated: February 7, 2008



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502060

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application No. 10/081,133)

Filed: February 22, 2002)

Applicants: Peuramaki)

Title: AN INSULATION MATERIAL)
COMPRISING EXPANDED)
POLYURETHANE AND)
CRYSTALLIZED POLYAMIDE)

Art Unit: 1773)

Examiner: Jackson, Monique R.)

Attorney Docket: 7890/72989)

Customer No.: 22242)

Confirmation No. 8534

This Amendment After Allowance Under 37
C.F.R. § 1.312 was electronically filed on
May 22, 2007 using the USPTO's EFS-Web.

Mail Stop AMENDMENT
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

AMENDMENT AFTER ALLOWANCE
UNDER 37 C.F.R. § 1.312

Sir or Madam:

This amendment is being filed under the provisions of C.F.R. § 1.312. Please amend the
above-identified application as follows:

Amendments to the Specification begin on page 2.

Amendments to the Claims begin on page 3.

Remarks begin on page 7.

AMENDMENTS TO THE SPECIFICATION

Please insert the following paragraph before the first paragraph at page 1 of the specification:

This application is a continuation of prior international application No. PCT/FI00/00716, filed August 24, 2000, designating the United States of America, claiming priority from Finland application No. 19991831, filed August 30, 1999. International application No. PCT/FI00/00716 is hereby incorporated herein by reference in its entirety.

AMENDMENTS TO THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in the application.

Listing of Claims:

1.-47. (Canceled).

48. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and an extruded crystallized polyamide layer, and two extruded adhesive layers, the extruded crystallized polyamide layer joined to an extruded adhesive layer on the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being adhesively joined to the polyurethane insulation layer as the polyurethane insulation layer is formed and when the polyamide is in a glutinous form, and then the glutinous polyamide being cooled for crystallizing the glutinous polyamide to form the polyamide layer.

49. (Previously Presented) The insulation material of claim 48 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

50. (Previously Presented) The insulation material of claim 48 wherein the metal layer is aluminum.

51. (Previously Presented) The insulation material of claim 50 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

52. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a polyamide layer, the polyamide layer joined to the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to the polyurethane insulation layer with the polyamide as the polyurethane insulation layer is formed and when

the polyamide is in a glutinous form and then the glutinous polyamide being cooled for crystallizing the glutinous polyamide to form the polyamide layer.

53. (Previously Presented) The insulation material of claim 52 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

54. (Previously Presented) The insulation material of claim 52 wherein the metal layer is aluminum.

55. (Previously Presented) The insulation material of claim 54 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

56. (Previously Presented) The insulation material of claim 52 wherein the polyamide is heated between 120° to 140°C when the polyamide from its glutinous form and is cooled and crystallized to form the polyamide layer.

57. (Previously Presented) The insulation material of claim 53 wherein the polyamide is heated between 120° to 140° C when the polyamide from its glutinous form and is cooled and crystallized to form the polyamide layer.

58. (Previously Presented) The insulation material of claim 54 wherein the polyamide is heated between 120° to 140° C when the polyamide from its glutinous form and is cooled and crystallized to form the polyamide layer.

59. (Previously Presented) The insulation material of claim 55 wherein the polyamide is heated between 120° to 140° C for 1 to 5 minutes and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer.

60. (Previously Presented) The insulation material of claim 57 wherein the polyamide is heated for 1 to 5 minutes.

61. - 66 (Canceled)

67. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a co-extruded crystallized

polyamide/adhesive layer, and one additional adhesive layer, the co-extruded crystallized polyamide/adhesive layer joined to the metal layer through the co-extruded adhesive and when the polyamide is not substantially crystalline and is glutinous, the metal layer with the co-extruded polyamide/adhesive layer adhesively joined to the expanded polyurethane insulation layer as the expanded polyurethane insulation layer is expanded and when the polyamide is in a glutinous form, the glutinous polyamide being cooled for crystallizing the glutinous polyamide to form a crystallized polyamide in the co-extruded layer.

68. (Previously Presented) The insulation material of claim 48 wherein the polyamide is heated between 120° to 140°C for 1 to 5 minutes, and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer.

69. (Previously Presented) The insulation material of claim 67 wherein the polyamide is heated between 120° to 140 °C for 1 to 5 minutes, and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer.

70. (Previously Pending) The insulation material of claim 69 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

71. (Previously Presented) The insulation material of claim 70 wherein the metal layer is aluminum.

72. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, an aluminum metal layer and a polyamide layer, the polyamide layer joined to the aluminum metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to the polyurethane insulation layer with the polyamide as the polyurethane insulation layer is formed and when the polyamide is in a glutinous form, the glutinous polyamide being heated between 120° to 140°C for 1 to 5 minutes, and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer, the polyamide being selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

73. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a polyamide layer, the polyamide layer joined to the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to the polyurethane insulation layer with the polyamide as the polyurethane insulation layer is formed and when

the polyamide is in a glutinous form and the glutinous polyamide being heated between 120° to 140°C for 1 to 5 minutes and cooled for crystallizing the polyamide from its glutinous form to form the polyamide layer, the polyamide being selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

74. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a co-extruded crystallized polyamide/adhesive layer, and one additional adhesive layer, the co-extruded crystallized polyamide/adhesive layer joined to the metal layer through the co-extruded adhesive and when the polyamide is not substantially crystalline and is glutinous, the polyamide being heated between 120° to 140°C for 1 to 5 minutes, the metal layer with the co-extruded polyamide/adhesive layer adhesively joined to the expanded polyurethane insulation layer as the expanded polyurethane insulation layer is expanded and when the polyamide is in a glutinous form, the glutinous polyamide being cooled to crystallize the glutinous polyamide to form a crystallized polyamide in the co-extruded layer, the polyamide being selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

REMARKS

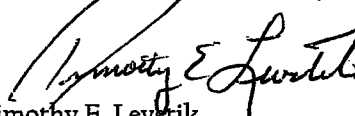
No amendments have been made to the claims.

The specification has been amended to include a specific reference to the claim of priority. Priority to prior application Serial No. PCT/FI00/00716, filed August 24, 2000, designating the U.S., was properly claimed in the declaration when the application was originally filed. The priority claim was recognized by the United States Patent and Trademark Office on the filing receipt.

The Commissioner is hereby authorized to charge any additional fees which may be required in the Application to Deposit Account No. 06-1135.

Respectfully submitted,

Fitch, Even, Tabin & Flannery


Timothy E. Levstik
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Date: 5/22/07

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,270,872 B2
APPLICATION NO.: 10/081,133
ISSUE DATE : September 18, 2007
INVENTOR(S) : Juhani Peuramäki

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 4, approximately line 36, in claim 10, delete "forms" and insert - - form, - -.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

James P. Krueger
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Chicago, Illinois 60603-3406

7890/72989